



BorWin2 & Global Tech 1

- PLGR
- RC
- Mattressing Operations
- 123km BorWin2 HVDC
- 60km AC Cable Global Tech1
- Northern Germany, German Bight.

Project Timeline:

- Project Awarded December 2011
- Project Start March 2012
- Project Complete May 2012

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BorWin2 & Global Tech 1 Route preparation operations

May 2012, OMM successfully completed a contract with Prysmian for Route Clearance, PLGR and Mattressing operations for BorWin2 & Global Tech 1

Offshore Marine Management were awarded a contract by Prysmian for Route Clearance, PLGR and Mattressing operations along the 123km BorWin2 HVDC cable route and 60km of infield AC cables to Global Tech1.

OMM secured the Bourbon Enterprise, a multi-purpose vessel with the capabilities to complete the project requirements. The vessel was mobilised at the end of March 2012 with all offshore operations successfully completed by mid-May 2012 in accordance with the project schedule.

A full turnkey solution was provided by OMM that included:

- Project planning
- Project engineering
- Vessel mobilisation
- ROV mobilisation
- Grapple mobilisation
- Equipment calibrations and testing
- Personnel and resource management
- Project management
- Final reporting of the project

In total, 14 Out of Service (OOS) cables were identified for route clearance work. Clearance operations were undertaken using various types of grapples onboard, including Rennie, Gifford, Spearpoint and De-Trenching Grapple. The choice of grapple was dependent on the constitution of the seabed, type of OOS cable recovered and the method of OOS cable installation.

Pre-Lay Grapple operations were successfully completed along the entire routes from the 10m water depth in advance of the cable lay and burial campaign. The grapple runs successfully cleared all debris from the route. The grapple operations were performed in accordance with ICPC Recommendations, with grapple recoveries for the in-service crossings.

Mattressing operations were successfully completed at 10 live crossing locations. The installation steps included pre-installation survey, WROV assisted mattress installation, mattress installation survey and as-built surveys of each crossing. In total 40 mattresses were installed to protect existing in-service cables and pipelines along the cable routes.

OMM's Project Manager Michael Finnerty, said: "The wind parks that will be connected via BorWin2 will be some of the largest yet to be built off the German coast, generating in the region of 800 megawatts of clean electricity. Our client demanded comprehensive route clearance and PLGR support from us - as well as mattressing along both the HVDC and separate AC routes that will run between two new offshore substations."

"OMM has a strong working knowledge of Prysmian's projects in the North Sea and our ability to conduct such crucial pre-installation work efficiently and thoroughly demonstrates we are an ideal business partner for this type of project."

OMM's work on BorWin2 follows similar work the company successfully completed on Germany's first HVDC link, BorWin1.